

# PQSL

**Petroleum Quality Surveillance Laboratory**



## Petroleum Quality Surveillance Laboratory

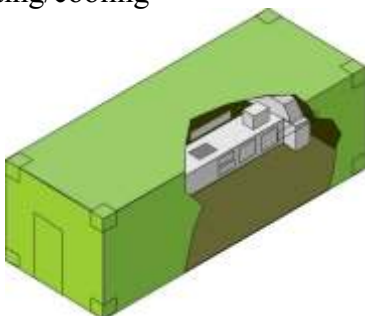
The PQSL is a mobile division level laboratory capable of performing B-2 level quality surveillance testing on bulk petroleum products IAW MIL-STD-3004. The system design may include testing of packaged products, if space allows. The system will consist of one or more shelters containing test equipment, support systems, spares, supplies, and chemicals. The shelter(s) will also provide for waste storage and water supply. System data collection and selected test equipment will be automated.

### System Includes

- Shelter(s)
- Automated test equipment (where available)
- Automated data collection and transmittal equipment
- Organic generator set

Incorporates various utility systems:

- Oxygen/Nitrogen/CO2
- Vacuum/Air pressure
- Heating/cooling



### Operational Concept

- Division level support
- Bulk petroleum product quality surveillance
- Some (new) packaged POL product tests
- Provide increased mobility and automated testing
- 4-person crew

### Contact Information

#### PM PAWS

[www.tacom.army.mil/dsa/pmtaws/pm\\_paws](http://www.tacom.army.mil/dsa/pmtaws/pm_paws)  
COM: (586) 574-4200 DSN: 786-4200  
FAX: (586) 574-3988

#### PAWS Help Line

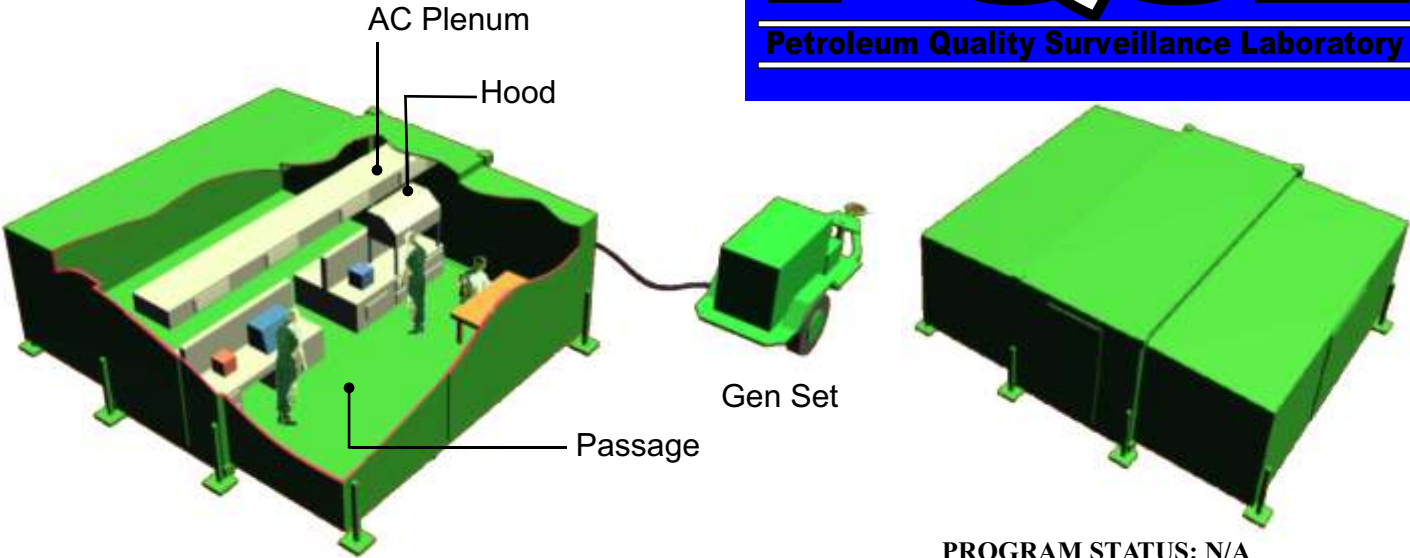
[pawshelp@tacom.army.mil](mailto:pawshelp@tacom.army.mil)  
COM: (586) 574-4143 DSN: 786-4143

#### QUARTERMASTER

[www.quartermaster.army.mil](http://www.quartermaster.army.mil)



# Shelter Expanded on Ground



PROGRAM STATUS: N/A

LIN	NSN	SSN	BOIP
N/A	N/A	M73300	N/A

## Transportability

- Mounted on M871A semitrailer
- Prime mover: standard M932 (5-Ton Truck)
- C-130
- marine

## Environmental Conditions

Storage	-28°F to 160°F
Operation	-25°F to 120°F

## Performance

Setup.....	Operational within 1 hr
Reliability.....	Max TTR for 90% of all EUMD must not exceed 2 hours
Maintainability.....	MR not exceed 0.09 maintenance man hr/operating hr
NBC Survivability.....	HAEMP Decontaminable MOPP 4 compatible

## Dimensions

System Under Development